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181	GREFVOSGEKGELLEFIANLHNUBAGRITVESBARGRIKCHGANSGSCTVETCANELPTLP 240
241	AVGDVLRDHFDGASRVLYGNRGSNRASRAELLRLEE
301	YSGRUTAGTAGBACNSSSBALDGCELLOCGBGHRIFTGDFVTEROHCTFHWCDFVSORNC 360
361	THTRVEHECL 37
ULT 5 61007 ABB6	1007 Standard: Protein: 468 AA
ABB6 26 · M	MAR-2002 (first entry)
Drosoph	11a melanogaster
Drosop	ophila: developmental biology: cell signalling: insecticide:
Drose	rosophila melanogaster.
W020	0171042-A2
si.	EP-2001.
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2	DE CORP NV
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New iso genes fi interac	isolated nucleic actd detection reagent for detecting 1000 by more mes from breaphila and for elucidating cell signathing and cel. cell reactions
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Query Match 41 4
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Parkinson's disease; fronton-emporal dementia; schizophrenia,
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vacine 53; Mismatches 13u;
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       Claim 12: Fig 83: 635pp: English
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134 GVTHSVARSCSEGSIESCIGDYRRKSPGGPDWHWGGCSDNIDFSFLESREFVDSGEKGR-

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Noted outlets and sulpepties, useful such as general nervous system injuries -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated polypeptide for treating, preventing and/or promosing medical disorders and also for testing and detection e.g. diagnosis and screening for ajonists.
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APPLICATION NUMBER: GE-581
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NAME: PRESTIA, PAGE F.
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ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compacible
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REGISTRATICN NUMBER: 23.031
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Patent No. 6100.60
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                                                          FILING MARE: 38 980400

APPLICATION NUMBER: 38 980400

FILING DATE: 25-EEB-1998

ATTORNEY/AGENT IMPORMATION:
NAME: PRESTIA, PAUL F.

ATTORNEY/AGENT MODRER: 23,031
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ADDRESSEE BATNER & PRESTIA
STREET P O BOX 980
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PRIOR APPLICATION NUMBER:
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COMMUTEN IBM COMPAULDIE
OPERATING SYSTEM; DOS
SOFTWARE: PASKESD IDT WINDOWS VETSIJN
CURRENT REPLICATION DATA:
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APPLICANT: EESTA TANA
APPLICANT: EESTA TANA
TITLE OF INVESTION NO. 51005101 (Largovents
MINBER OF SELVENCES: 5
TELEPHONE 510-407-0700
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MEDIUM TYPE: Disket
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                                                                                                                                                                     FILING DATE: 23-MAY-1597
APPLICATION NUMBER GB 9803981 1
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COMPUTER REACABLE FORM
MEDIUM TYPE Disket
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US-09-459-774-2
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US-08-485-449-2
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EARLIER APPLICATION NUMBERS UX 9828419.3
EARLIER FILLNO DATE: 1998-12-23
WINNERS OF EXQ. DATE:
SEQ. TO NOS. 2
SEQ. TO NOS. 2
LEWSTH: 349
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Rest Local Similarity 42.2%, Fred No. 2 4e-65;
Matches 1303 Conservative 57; Mismatches 116; Indels 57
CLASSIFICATION: 536
ATTORNEY AGENT INFORMATION
NAME: KONNEX, ANTOINETTE :
REGISTRATION NUMBER: 34,2%
RETERRINEZ/JOKET NUMBER: 2/27
TELEOOMMUNICATION INFORMATION:
TELEBRANCE: (415) 913-5600
TELEBRANCE: (415) 913-570
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COMPUTER IBM PC CO
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CMPDITES IR PC compatible
OPERATING SNYIM. PC-105/MS-TOS
SOFTMARE: PACENTER Release #11.0. Version
THRENE APPLICATION DATA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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SEQUENCE HAVACTERISTICS
LENGTH- 30 actd
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CLASSIFURIUM: %35
ATTEMENATURE TROPATION:
LIKE FRISKI AND CREIFF F
GROTEFFREET KEEL WARREN 20249-20035
IF EMPTATION IN HEREN 20249-20035
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CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: KONSKI ANTOINETTE F
REGISTRATION NUMBER: 34,202
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KEDITM TYPE - HOPPY LLSA
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OPERATING STEEL, PC-105/MS-D/S
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Patent No. 6041053
SENERAL INFORMATION
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Best Local Similarity 39.5%; Bred. No. 4 Se.51;
Natches 149: Conservative 49: Mismatches 121; Indels
216-19442
CHEUTER MAADEL FURM:
PROPER MADEL FURM:
RECORD 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: "(415) 494-0792
TELEX: 705141
INFORMATION FOR SEQ ID NO: 5:
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REFERENCE/DOCKET NUMBER: 2039-20015,50
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: No. 6043053el Compounds
NUMBER OF SUCCENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: BATTER & PRESTIA
STREET! P.O. BOX 980
CITY: VALLEY FORGE
CITY: VALLEY FORGE
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APPLICANT: TESTA, TANIA
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LENGTH: 376 amino acids
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                                                                                                                         TELL COMMUNICATION INFORMATION:
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SOFTWARE: PRACEFUL OF Windows Version
GTRENT AFFLICANION CATA
AFFLICATION NUMBER OS/N/A7,744A
                                                                                                PETISIPATION NUMBER
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Nequence 6 Application HS/03/RT28ZA
Pareut No. (1675)
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SEQUENCE (APACTER STOCK
LENGIN 159 annio acids
TYPE: annio acids
STRANGENEES: SAINTE
TOPOLICY Linear
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Matches "1- Conservative 1
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COMPUTER PEADABLE F EM-
HELIUM TYPE DISKORDA
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ODERATING SYSTEM TAS
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FILING HATE: 04-MAY-1998
ATTORNEY/AGENT INFIRMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APHI MAN BASME MI MAEL MEJINES
COMBEND OF ENCENTRON WELL MEJINES
COMBEND OF ENCE ADJUSTAN
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APPLICATION NUMBER: GB 971/716,3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                166 HWDG SONIDE BELFTREFVESGEK FROURFLANLHNNEAGE TVESEMBJECKCHGMSG 225
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STREET: P.U. Box 980
CITY Valley Form
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   610-407 5701
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b. Prod. No. 2:1e-'
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US-04-067-782A-5
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Patent NO. 6165751
GENERAL INFOGRATION:
APPLICANT, BARNES, MICHAEL
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Best Local Similarity 48.6%, Prof. No. 4,4272,
Matches 62: Conservative 12: Mismatches 46 (Edd)s 7: Spe.
                                                                                                                                                                       SEQUENCE CHARACTERISTICS
SEQUENCE CHARACTERISTICS
LENGTH: 131 amino act
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TITLE OF INVESTICAN OVEL CONTOUNES
NUMBER OF SECURICES
CORRESPONDENCE ADDRESS
STREET: PO. BOX 960
CITY, Valley Forde
CITY, Valley Forde
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INFORMATION FOR SEQ ID NO.
SEQUENCE CHARACTERISTICS.
LENGTH: 121 amino acid
LEMGTH: 131 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOBOLOGY: linear
MOLECULE TYPE: protein
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PRIOR APPLICATION NUMBER: UK 97
FILING DATE: 23-MAY-1997
FILING DATE: 23-MAY-1997
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COMPTIES : HA COmpatible
SOMERING SISTEM | COS MINDOWS Version 2 &
SOMERING SISTEM S
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REFERENCE/DOFKET NUMBER: GH
TELECOMMUNICATION INFORMATION:
TELEPHONE A01-407-0701
TELEPAX: 640-407-0701
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FILING DATE: 13-NOV-1998
ATTORNEY_AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                            TELEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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TELEX: 705141
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
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ADDRESSEE WORRISON & DERNIER
STRIET 55 Page MILL KLAD
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THIS OF INVENTION: SIL PENEL ENCODING GROWTH FACTOR AND METHOLOGY
THIS OF INVENTION. THEMBUF
NUMBER OF SEQUENCES: 7
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                                                                                                                          TR HONDGILHSVSGGLQSAVKECKWGFRNERWNCPTAPG----PHLFSKIVHES 120
                                                                                                                                                                                                                                                                                                                                                                                                           1 54 GVTHSVARSESIG , 46
6.5 LENPOVTASALQGIHIAVHECUHGIRIGRWNCSALEGGGRIPH ESA: LKES 11.2
                                                                                                                                                                                                                                                                                              11 PSGLA-----GLIELALGSBALSNEILGLKLPGEPPLTGNTVCLCLSGLSKROLGLC 62
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InPoCoGY: imeat
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STAJE: Salitors
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                                                                                                                                                                                                                                                                                                  Gado, Writtang
Garther, Hangeber
Gartiten, Mary E.
Goddord, Audrey
Coddowsk, Paul J.
Grammidd J. Christopher
Gurry, Austin L.
Hilano, Kenneth J.
Kijavon, Ivas J.
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Napier Mary A.
Pan, James
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Desnoyers, Luc
        Roy, Margaret Ann
Shelton, David L.
Stewar', Timothy A
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Best Local Similarity 44.8% Fred No. 1.1e-69
Matches Ed; Conservative 55; Mismatches 1281
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Eaton Dan
Ferrara, Napoleon
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Fond, Sherman
Gao, Wol-Qiang
Gerritsen, Mary E.
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Gurney Austin L
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US-10-176-758-80
Sequence 80. Application US/10175797
Paulication No. US/1030033153Al
GENERAL INFORMATION:
APPLICANT: Baker Kevin P
APPLICANT: Chen Jian
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Best Local S
Matches 161
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Publication No. US/20030008353A1
GENERAL INFORMATION:
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TITE DO INVERTION, KEINEEDD AND TRANSMENSHAM, PILAPEPTIDES AND
TITE DO INVERTION. ACIDS ENCOLIDES THE SAME
FILE REFERENCE, 1949/30/10/4
COMPENE PACIFICATION NAMES: HS/40/176-758
COMPENE PACIFICATION NAMES: HS/40/176-7
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Goddwski, Paul
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TITLE E INVENTA N. SEPERJE ANT TANGREMENDAM POLITIFICIES AND RECEPT
TITLE E INVENTA N. ACID. SHOOLNO THE SAME
CIMBENT APPLICATUR MENULEY SKYLÖYTY-705
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APPLICANT: Thom.Jian
APPLICANT: Desnoyers.Lu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              119 GVAFAVIRANSSGELEKINGERTVHGVSPQGEQWSGCSDNIAYGVAFSUSFVDVREKSKG 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        59 RNLEVHISVHKGAQLAITECQYQERNKHWNCSTLDSLPVEGKVVT_STEEAAEVYAISSA 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14 TILLIALAALEAALAANSSIKWWGIVNVASSTNILTDSKSLOLVILEPSILLLSRKORKLIF 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        74 CMPGILHSVSGGLQSAVFECKWGERNHHMNCPTAPGPHLEGKIVNF FETAFIFALTSA 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 SEREEVEAVESAAASN ---- WEYLAKIJSSVGSISEEETCE ---- K.K.SLIQRQVQMCK 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AGRACNSSSFALDGCELL CGRGHRTRIGRVIERCNCIFHWCCHVS FW THIRVLHEC 365
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Goddard,Audrey
Godowski,Paul ]
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Watamabe, Colin K
Wood William I
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Goddwski, Pa., J
Gorney, Austin L
Pan, James
                                                                                                                                                                                                                                                                                                                                                                                               Wood William
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Publication No. US20030022294A1
GENERAL INFORMATION:
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Best Local Smilarity 44.8%, Pred, No. 1 ler-59;
Matches 161; Conservative 55; Mismatches 123; Indels 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ
                                                                                                                                                            Guery March 41 3%; Score Hitm, DB 9. Lenath 351
Best Local Similarity 44 8%; Pred; No. 11e-59
Matches 161. Conservative 55; Mismatches 121; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 80
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APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Lu
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SEQ ID NO 80
LENGTH: 351
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               193
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                                                                          14 TULLALAADPAALAANSSGRWWGIVNVASSTNLUTDSKSDQLVLEPSDQLLSKKORRLER 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 TILLALAALPAALAANSSGRWWGIVNVASSINLLIDSKSLUCVLEPSLULLSRKURRLIR 73
9 SURLLYFAVESAAASN ----- WLYLAKUSSYGSISEEETCE ----- KLKGLIQRQVQMCK 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9 SIRLLVFAVFSAAASN-----WLYLAKLSSVGSISEEETGE-----KLKGLIGPGVOMCK 58
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Watanabe, Colin K
Wood, William I
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Goddard.Audrey
Godowski.Paul J.
Gurney.Austin L.
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ASSSPALMITHMEA TRACETHMENECKCHONGGGGGGWT "FANTI FEQUINALKEKF

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- CIHELMNUHNNERGETTVESEMPLECKCHONOGSCTVETCHMPLIGITEANIT VIEDBE

134 CIVINSVANSINBOSIESCI (I VPPRANCOHAMMANISUMII EURIE JPEFVI SIEKOR - 132

59 BMLEVH(SVRH-TAGLATEECGYCFRNBRWNCSTLLSLPVEGEVYTT, ITPEARFYYAISSA 118 T4 ONPGILLSVSGGEGSAVRECKWGEKNRRWNGPTAPCPHLEGKIVNEGGRETAFIFAITSA 133 9 SERLEVEAVESAAASN.....WITLAKESSVGSTSEEETJE .... KEKHLIGFGVGWCK 58

11: CVANAVIEW SERE EKOSTI ETVE WSBURBURBOUSDNIAN TREESUSEWI VERBERG

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Ouery Match Collective 41 % Systematic 123 Matches 16. Unserpretive 5% Mismatches 123

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APPLICANT BOOK WILLIAM I.

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US-10-175-752-91
US-10-175-752-91
Sequence 80, Application US/10175752
Publication No. US20030-22255A1
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Goddard, Audrey
Goddawski, Paul
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Wathabe, This K
Wand William I.
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Godowski Paul J Gurney, Austin L

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US-10-176-757-80
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US-10-176-482-80
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US-10-176-482-80
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APPLICANT DESTORYS LEGS
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APPLICANT CONSERVE PRI J.
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LENGTH: 35
TYPE: PRI
                                                                                                                      Sequence 80, Application 05/10176757
Publication No. US20030022297A1
GENERAL INFORMATION
APPLICANN: Baker Kevin P
APPLICANN: Chen. Lian
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Best Local Similarity 44.8%; Pred No.1, le-69;
Matches 161; Conservative 55; Hismatches 123; Indels 20;
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Publication No. US20030022296Al
GENERAL INFORMATION:
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FILE REFERENCE 134 (ALTO) POLICY AND ADDITIONAL SECTION AND ADDITIONAL AND ADDITIONAL ADDITIONAL
             APPLICANT:
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292 RORTCHKTSKAIDGCELLICGGROFHTROPWIECHCIPHOCHVECRGCGRIVELHIC 359
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Desnogers, Inc.
Goddard, Audre:
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Watanabe, Colin K
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US-10-174-913-B0
US-10-174-913-B0
PODIS-GETION US-0520030022298A:
PENERAL INFORMATION
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DESANISM: HOW Sagion
US-10-176-757-85
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Matches 161: "Guservative
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APPLICANT:
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                                       CONMENT FILING DATE 2002-06
Prior Application removed - SI
NUMBER OF SEQ If NOS: 612
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TITLL OF INVENTIAN, ACIDS ENCOUND THE SAME
FILE METERANCE, FAUS AUGUSTO SAME SAME
CUMPANY APPLICATION MANNER WSZIEZ-7% 5.11
CHRENCY FAPILICATION MANNER WSZIEZ-7% 5.11
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Wood, William I.
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Goddard, Audrey
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44.6% Prog. No. 1 Te-69;
                                                                                                                                   - See file Wrapper or Pain
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US-10-180-552-80

Sequence 80, Application US/10180554

Publication No US203UGZ2300A1

GENERAL INFORMATIN:
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ORGANISM: Homo Sapien
US-10-180-552-80
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US-10-176-913-80
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Best Local Similarity 44.8%, Pred. No. 11e-69;
Matches 161; Conservative 55; Mismatches 123; Indels
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APPLICANT: Chen. Jian
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A.TILE. Sackation of cDNAB partially effecting four Xenopus A.Federenee number: AVP64; MUID:91124437, PMID:1901549
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A:Cross-references: GB:M55055
C:Superfamily: Intil transforming protein
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VANCE: Sequence extracted from NCBI backbone (NCBIP:117112)
VCCHINSLIAN, J.L., Gavin. B.J., MCMahon, A.P., MCOO, R.T.
New. Biol 143, 239-234, 1991
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217	ECKCHGMSSSCIVRICWMRLFTLEAVGDVLRDRFDGASFVIYSNFSSNVA 266
121	ECKOH MNGGSCTIKTOWNELF PEFFYLGDLLKDMFDGASHVAAAS HHHMNNNAHONMPPKN 186
267	SRAFILEPLEPSUPAHKPPSFHULVTTEKSPNSCTTSGPLGT 307
181	PKINALSSNSTHSKENBEKHKYSE, LKDENDEHKOPCTKT VYYERSD BESKNIKUST 240
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wingless homolog a	119 GVAFAVTRACSSCELEKCOCDRTVHGVSPQGFQHSGCNDMTAYGVAFSQSFVDVRERSKG
RESULT 15 A48828	QY 134 GVTHSVARSCSEGSTESCTCDYRRRGPGGPDWHWGGTSDNIDEGRLFGREFVDSGEKGR- 152
	Db 59 RNLEYMDSVRRGAQLAIEECOYOPRNRRWNCSTLUSLEYEGKYVTQGTREAAFYYAISSA 118
4	Gy 74 QNPGILHSVSGGLQSAVRECKWQFRNRRWNCPTAUGPHLEGKIVNRGGRETAFIFAITSA 133
Qy 35's IRVLHEC	Db 9 SURELVEAVESAAASNWLYLAKUSSVGSISEEETGEKLKGEIOROVONOK 58
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Qy 103 GREGIAG	
Ib 231 SWYLKEK	Ouery Match 41 1% Score 836: 18 2: Length 351: Best Local Similarity 44 6% Pred No. 2006)
27 24 SEVENDE	asturming protein
Db 171 DVRERSK	A.Residues: 1-351 -GAV- A.Gross-references GR:889797: NID-g302491: P(IN-ARASISSS 1- DID-g30249)
QY 184 DSGERGE	Status: preliminary a:Molecule type: mRNA
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ob · PEYEURS	C36470 Witt-4 protein - mouse
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ouery Match Bost Local Simi	Oy 333 GHRTRTORVIERCHVTEHROCHVSCHNOTHTRVLHEC 36v  11 III: 11: III: IIII: III: III  6b 318 GHRTRTEKKEKKUNYEHROCTVSCHROCTHTCVHC  6b 318 GHRTRTEKKEKKUNYEHROCTVSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHROCTNSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHROCTNSCHROCTHTC  6b 318 GHRTRTEKKEKKUNYEHROCTNSCHR
F188.297/Binding :	Db 258 TIRAKYALIKFRTENDLYYYENSPHECEPNPETGSESIHANTUNVTSHGIDGCDLLCCGE «17
F.1-36/Lumain: Si	QY 273 RLEPEDPAHKPPSPHELTYFEKSPNFCTYSGREGTAGTAGAACNSSSPALDGCELLCCGE 332
CoSuperfunctly, and	Db 201 HMHLKCKCHGLSGSCEVKTCWWAQPDFRAIGDELXDKYCSASEMVVEKHPESRGWVE, 247
	Oy 213 EMBQECKCHGMSGSCTVRTCMMRLPTLRAVGDVLPGFTGASSVLYGNRGSNRASRAELL 272
A Residues 1-151	EDADFGVLVSREFADAFENREDARHAMNK
A.Acression: JC24	153 CDYRRROPGOPLWHWGGCSDNIDFGRLFGGREFYDSGEKGNDLKFLMNLHNNEAGRTTVES 212
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C.Date: 21-Mar-19	AS QPLLCGSIPGLVF
Cwnt-4 protein gr	Oy 34 WMGIYNYASSTNLLIDSKSEGEVEEPSEGELSKOPHEIRONPGILHSVSGGEQSAVREZ 14
JC2451	nes 155.
OD AND RORSONS	44
311	AJCTOSS-RETERENCES. GB:832502. NID:g199428: FIDM:AAB88109.1; PID:g293572 C/Superfamily: int-1 transforming protein
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137	ArTitle: Wot-3, a gene activated by proviral insertion in mouse mammary number is home.
dy 19: DIRFL	R-Roelink, H., Wagerman, E. Lopes de Silve S. Vusee F.

292 RGR	311 AGR	239 DGA	251 DGA	17h Ass	29.4 0
292 RORTONKTSWAIDGODLLOCOBERTAQVELAEROGGEFHWOOFVE PURJELVENHIO 350	311 AGRACHSSSPALDGCELLGCGROHRTETQRETERCHCTEHWCCHESTENGTHTRETHEC 359	239 CGATEVEERKVGSSRALVERNAGFKEHTDEDLVYLEISISI TEOLIKSGVLGT 291	251 DGASRVLYGNRGSNRASKAELLEGEPEDPAHKEPSPHDLYFEKSINE YYSGRIJJAGT 316	17% ASSSBALMNUSHNEAGBKAILTHERVECKCHGVSGSGEVKTCWKAVILLEQVSHALKEKE 218	19: DIRFLMMLHNNEAGHTIVESENBÇECKCHGMSGSCTVRTCMMH:: TLHAVGDVLHDFF 250

edumsor - chicke. gallus (chicken) 55 \*Sequence\_recision 26-May-1995 \*text\_ cunue 03-May-1996 51

huchi, H.; Noino, T. Pujiwara, A.; Janja N.; Kawakami, Y.; Noji, S. Res. Commun. 203, 1581-1588, 1994. expecsasion of the Cant-4 gene in developing chick central nervous s. p. JC2451: MUID:950:2034; PMID:7945308

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- OUTERD 18 INVOLVED IN Segmentation of 1 "Strain 1975 the neuromere b

inal sequence Estatus predicted <SIG -Cwnt+4 protein #status predicted <MAT site: carbohydrike (Asn) (covalent) #shahus predicted rotein -1 transforming profess

40.5%: Shore 827; EB 2; Lennin 591. Larity 43.1%: Pred. No. 1.1e-60: Conservation 64; Mismatches 121: Indels 24: Gaps

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WENNESUPFIAGLAILECTYOPRIRRWICSTLDTLIV: "VVVIGGTREAAFV 112 NPSILHSVSGJILUSAVRE KWQFRNRRWNCPTAPGPHIL KUVNFGURETAFI 127

/AFAVTRACSSGELDKCGCL--RTVQGGPRQGFQWSGCSCK:AYAVAFSQSFV 170 THSVARSISESSIESTICLYBREGPGGP--DWEW): CIVILISELFGEEFV 185

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PEGATEVEUSEIGSTKV------LVPKNSQFKPHIDETLVYIDSSPDFCUHD AGRACHSSEALLGCEGRGHRIRIGRVIENCHTEHWICHWSCRNCTH 362 283

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vindies hamolog Kunt-3A groupin - African claved from Chiertes Kanops Leevis (Altifan twand frog) "Date: Ul-Dec-1963 #sequence\_Textson 18-Nov-1984 \*Leet\_clan ps 23-Feb-1967

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CARCHROSION, AMERICAN, C.J.; MOON. R.T.

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RWALEAS, ILS. MOON, C.J.; MOON. R.T.

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Search completed: April 22, 2003, 16-42:15 fob time \pm 47 se/s
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Best Local Similarity 43.48. Psed No. 2.6-6.0;
Matches 154: Conservative 57: Hismatches 133: Indels 11: Gaps
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-i- SIMILARITY: BELONGS TO THE WMT FAMILY
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tive 47; Mismatches 41;
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This SHES PROY entry is copyright. It is produced it call a collaboration between the basis matching or backloners and if we make collaboration and if we may consider the collaboration and the colla
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SIGNAL OND WINEY FROM THOSPHANT AND TH
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Darryota, Beniproidea, Beniprider, Benify
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EMBL, 403650; AAA28646.1;
EMBL, 867382; AAA29368.1;
EMBL, 867383; AAA29368.1;
EMBL, 8670617; AAF52501.1;
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SMAKT, SMUCCYT: WNT1, 1
PROSITE: PS00246; WNI1;
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Pred_No. 7.6e-82.
5: Mismatches 89
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WNT-A protein precursor
WNT3A OF WNT-3A.
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Mammalia, Kutheria, Rodentia,
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RSAMNRHUNEAGRQAIASHMHLKCKCHGLSGSCEVKTCWWSQPDFRTIGDFLKDKYDSAS
                                                                                                                                                                                   VAFAVTRSCAEGSAAICGCSSRLQGSPGEGWKWGGCSEDIEFGGMVSREFADARENRPDA
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45.4%; Pred. No. 2.4e-66;
vative 53; Mismatches 130; Indels 1
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WNT-3 POTC--NNTOGENE PROTEIN

N-LINKED (GLÜNNC....) (POTEN

N-LINKED (GLÜNNZ....) (POTEN

N-B5D15F2CT=894A64F CRC64:
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-APR-2001) to the EMPL/SenBack/DBS dar diases

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mith A., Selled E., Toannon P., Lindsey M.H., of which run in impulated by the Wiley Funds

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SEQUENCE : 1-25 Fk.M.N.A.
Peltoketo H. Heikkila M. Vainto S.
Sübmitted (JAN-2001) To the EMEL/GenBank/EDBJ

(S)

Highet E.L. Middkon J.A. McMahon A.P., Bicknet, P. Berris A. "Differential expression of bunda Whiteenes 2 3 4 and 78 in breast cell lines and normal and disease states at bundan breast inside."

Barris A.L.

MEDICINE-94-215MB PILMOD-42690HB

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TORRAD J. M. WEST AND A. S. CHARLES ... OF CARREST ... OF CARR
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Eukaryota: Metazoa: Dicydata:
Mammalia: Hutheria; Primates,
NCBI_Tuxti-9606;
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คริสวติร (พุทเพล - ผู้ประส (พระสะ) เปรียบสาร
เริ่มชน 1949 (Mol. 35 Species) เปรียบสาร
โร่มชน 1949 (Mol. 4) Last sempence undate)
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Swain A. Ruo P N. Ex-politie B. B., Vilain E:
"Op-requisition of antid signaling and dosage-se
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210-329 EREM
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01-805-1991 (Rel. 19 Created)
01-805-1991 (Rel. 19 Last sequence updates)
15-108-2002 (Rel. 41 Last amoration updates)
18-108-2004 (Rel. 42 Last amoration updates)
NMT-4 PETCH PRECEDOR.
SEGUMENTE PROM N.A. PUMM-4:277700; J. P. GONTO B.J. P. MENDOO J.J. N. MENDOO J.J. P. MENDOO J.J.
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Marmasculus (Mouse)
Biokaryota: Metazoa: Chordata: Cranara: Vertebrata: Estelaostoa:
Mammalla: Estelai: Kodentla: Scturosnath: Muridae: Muranae; Mus
M.B.L.TaxIP-10709;
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BL: AE3165H: AAK365P 1;
BL: AE0312K: CABS.561:1;
BL: AE335591; AAK21765 1;
BL: AY033957; AAK21727 1;
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WNT-4 PROTEIN
N-LINKED (GL-NA)
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Ebkarysta Metazoa Choydata Mammalia, Eutheria, Rodentia, NCBL\_TaxID=10116;

Craniata: Vertebrata Sciurognathi: Muridae.

Battus norvegious (Rat)

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RESULT RESULT CONTROL OF THE CONTROL
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CHANGE.

(HANGE TO AN INVESTIGATION (MAIL 40 (Tested))

16-NGT-2001 (MAIL 40 (Last sequence up.

15-JUN-2002 (Mail 41, Last sendation up.

HNT-4 process precises:

NNT-4 WHT-4 PROCESS:
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CARBOHYD
SEQUENCE
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SMARTE SHUDOFT WRITE-1
PROSETTE PROJECT WRITE-1
LIVELING BROKEN OF GIPCOPICACIN: Signal
SIDAL PETENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 THE STATE PROFICING TO COPY OF THE PROJECT TO AN ASSISTANCE TO COMMENT THE PROFICE TO COMMENT TO THE PROFICE TO COMMENT THE PROFICE TO COMMENT THE PROFICE TO COMMENT THE PROFICE THE PROF
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SHOCELAULE LOCATION: Boastbly secreted and describes with the extrevellular matrix.
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Fred. No. 1.1e-65
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We European Bonicometica Institute. There are no restrictions on its modified and this statement is not removed. Uses by and the conservation cutties requires a license agreement (See http://www.isb-sub-ch/danounce/or send on each 10 interessable-sub-ch).
                                                 Gailus gallus (Chicker)
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Yoshioka H., Obuchi H., Nobho T.,
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F PF-1:49; WNTP-TF
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E, FS-246; WNT1
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Search completed: April 22, 2003, 16739.42 Job time: 26 secs 365 VLHEC 369 :| | 346 EIHTC 350 305 LGTRAÇAKARANSKINILDÖZELLOCGRÖHET PTÖRUT BEWYNTERHACTISVINCH HAV 345 233 VLKEKFOGATEVEGSEIGSTKV-----LVPKNSQFKPHTDEDLVYLDSSPDI

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nterPro: IPP000970: Wht_arthfactor.		
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-1- SINILABITY: BELONGS TO THE WAT FAMILY		
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tast annotation update)
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Matches 219:
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Toshida H., Niji S.,
Toshida H., Niji S., Salto M., Salto M., Salto Himmediatus
(Triewet) with divergence in dpp expression patters fiting log
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MEDLINE-20461145; PubMed-11603897
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Bikaryota: Metadas Arthopterosdes Tracheato; Hexap uz (osecna;
Tworyota: Nooptera, urthopterosdes; Orthoptera; Eistesa, Gryllidae)
Gryllimae (Tytlus;
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01-MAR-2701 (TrEMBLrel, 16, Last sequence update)
01-JUN-2002 (TrEMBLrel, 21, Last annotation update)
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                                                                                   250 WMRLEHFHYVGDYLKDREDGASRYLVGNAGSPROPGAGKGKGNEYNE ... TYDAQHKEPE 305
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346 MITTHWCTHVSCRMCTHTHVCHEC
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                                                                                                                                                    HULVYFEKSPNECTYSGREATAGTAGHACNSSSPALDGCELLCC: F-HETRTORVTERC
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Similarity 57 JN, Fred No. 1 2e-102.
119: Conservative 45, Mismatches 9:
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00110: wat: 1
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Best Local Sim
Matches 204;
                                                                                                                                                               O61699 PRECIMINARY
O51699: OTERMITE!
O1-JUN-1998 (TYENHITE!
O1-JUN-2002 (TYENHITE!
O1-JUN-2002 (TYENHITE!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-JUN-2002
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parasegment is an evolutionary conserved entity
embryogenesis."
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Eukaryota, Metaroa. Arthropoda: "helicerata, Arachnida: Fransae
Araneomorphae, Enrelenynae; Lycosvidea, "tenhidae: Cuptennius
NCBL_TaxiD-5928:
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            Branchiostoma
                                            Branchiostoma fioridae (Florida lancelet) (Amphioxus).
Eukaryota: Metazoa: Chordata: Cephalocholdata: Branchiostomidae
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EMBL: AJ315945; CAC87040,1; -.
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Similarity 56.2% Pred. Mc. 2.1e-100;
ED4) Conservative 51; Mismatches 97; Indels 11;
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               KORHLYKENPG --- - DAGEHRURREMLAIKECHHOESKWRWN FYNISUHYNSYEGNIL 123
                                                                           KORKLINGNPGILHSVSGGLUS-----AVRECKWQFRNERWKOPIAFSPH---LEGKIV 117
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51 Inservative Gr. Mismatches Ita
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Best Local
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Eukaryota: Meraca, Arthropada: Trabenariem Haspoda: Traben
Peryota: Mengrera: Endopterygota: Coleoptera: Folyphaus
Cuculitormia Tenebrionidae: Tribolium.
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EMBL AF48E4+ AAA3755 11
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                                                                                           Best Local :
                                                                                                                                                                                                                    PROSITE!
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SELURENT FRANK A. HOLDAND L.Z., HOLDAND N.S.
SELURENT FRANK A. HOLDAND N.S.
SELURENT FRANK FRA
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01-MAY-2000
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                                                                                                                                                                                                                                                                     Branchiostoma floridae (Florida lancelet) (Amphioxus
Eukaryota: Matazoa, Chordata: Cephalochordata: Branc
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11 VSATILIDALAALPAALAANSSGRWWGIVNVASSINLIIDSKSIQUVIELSUGILSKKURF TH
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                                                                                                                                                                          ITE) PS00246; WHT1: 1
Lopmental protein: Glycoprotein.
ENTE 353 AA: 39263 NN: 6293F92029C8C3A9 CR:64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FKLNALSSNSIHSKRENF#KHKYGFQLKPENPEHKPPGTKULVYTEM: PJFCEKNPKLGI
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                                                            Similarity 43.
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12 (TrEMBLrel. 21.
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                                                            41.0%: Score #34, DB 5,
43.7%: Pred, No. 4.1e-72;
active 65: Mismatches 117
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Pred No. 2,5e-75
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4 LAVILVELLYALVSTCSA-TANGWERV- AASAVSVRTED-----A-EKEHBLISR-GVQ 54

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Best Local
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EMBL: AB024080: BAA8374311;
InterPro: IP8800970; Wht_grthfactor
                                                                                                                                                                                                                                                                    MEDLINE-2102327; PubMod-11142678; MODING T.; KSOACkent Y., Madi M., Mishimstew S., MoDing T.; Krokrement of Frizzled-10 in Mor-7a Signalini during chick development.";
                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryofa: Metazoa: Chordata: Cianiata: Vertebrata: Euteleosturt.
Archosauria: Aves: Neognathae: Gallifoimes: Phasianidae: Phasianine
                                                                                                                                                                                                                                                                                                                                                                                                                                          Gallus gallus (:Lirken)
Eukaryota: Metazoa: Cho
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01-MAY-2000 (TIEMBERO: 13.
01-JUN-2062 (TIEMBERO: 21.
Whit-3a.
                                                                                                                                                                     Developmental protein Glycoprotein sequence 376 AA: 42402 MW, 5001FB1FDB088075 CRC64
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SMART: SM00097: WNT1
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  ESCTCDY#RRGPGGPDWHWGGCSDNIDFGRUFGREFVDSGEKGRDLRFUMNUHNNEAGRI
                        IQECQHQERGHEWNCTTVNCSLAIFGPVLDKATRESAFVHAIASAGVAFAVTRSCAEGSA
                                                VRECKWOFFNRRWNCPTA - PGPHLFGKIVNRGCRETAFIFAITSAGVTHSVARSCSEGSI
                                                                         SSLELWDVGS:AIGHOY -- SSLGTOPILCGSIPGLVPKOLRFCRNYVEIMPSVARGVKIG
                                                                                               SSGRWWGTVNVASSTNLLTD$KSLQLVLEP$LQLLSPKQRRLIPQNPGILH$VSGGLQSA 69
                                                                                                                                 Similarity
                                                                                                                                                                                              PS00246; WNT1:
                                                                                                                         Conservative 56: Mismatches 127
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                                                                                                                                   44.6%: Pred: No:
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HHKPSGMVDSLYP

301 244 VPR/TEXTERDIMETVALSTKISINGSQEQENGRENNCTTV.3.VSTESPVIDEGNIS 124

--- PGPHLECKIVANCHETAFIFAITSAGVTHSVAB- SEISIESCTCLYPR

RENTOCATISTS

SKKOPRI THOMPGI CHSVSGGLQSAVRECKWOFFNRHWNCTTA POW----WYLAWSPOFSSLAASNAGGGGRRWPWVC---

PREVENTELLALAACPAALAANS --- GRAWGIVNVASSINLIII SKSECIVLEPSDOLL 64

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PYSPPKAPCKDDLIYETVSENPCHNNSTGSLGTKGRECNIIS. EDPARKIDSPHDLYYFEKSPNFCTYSGRLGTAGTAGRACNSSSFALD9:ELLCCGPGHBT

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Best Local
                                                                                                                      FRANCE PROCESSOR WAS A SERVICE SERVICE
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STALEST M. HILLAND G.C. STARS M.C., HILLAND G.C.
There Andersk With The Hell Bud. The Epublished C. S.
Associated with the Inil Bud. The Epublish of S. C.
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Dikaryota: Netarua: Cid
Branchiostora:
N'Hi_Taxili=7759;
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01-MAR-2012 (TEMBLIE) 20
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Efam; PFH III; wht. ]
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2 8 6	Scruzognachi; Muridae: Mu	
70 2	SEQUENCE FROM N.A.	
×n	MEDITING TO CONTROL DINAMATITATION	
> :	Kawai J., Shinagawa A., Shinata K., Yoshino M., Itoh M., Ishii Y.,	
	Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,	
3	Satto T., Okazaki K., Gojobori T., Bono H., Kasukawa T., Saito R.,	
> >	Kadota K., Matsuda H.A. Ashburner N Batalov S. Casarant T.	
> :	Ruchl P., Lewis S., Matsuo Y., Nikaido E., Pesole G., Quarkenbush J.	
> >	Schriff L.M., Statbil F., Suzuki R., Empira M., Wauner C., Washin T., Sakal K., Oktob T., Furuno M., Aono H., Baldarelli R., Barsh C.,	
. >	Blake J. Boitelli D. Bojunga N. Carcing P. de Bonaldo N.F.	
> 2	Gustingich S. Hill D. Hofmann M., Hume F.A., Komiyo M., Lee N.H.,	
>:	Nordone P., Ring B., Ringwald M., Rodriguez L., Sakamoto N.,	
>>	Suzuki H., Toro-oka K., Wang K.H., Weltz T., Shibata K., Storoh KF.	
>>	Wynshaw-Boris A., Yoshida K.: Hasegawa Y., Kuwaji H., Kohisiki S.	
-9	"Functional amotation of a full-length mouse (DNA collection ";	
z r	Rature 409:68*-690(2001).	
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> >	TISSUE-LIVER:	
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20	PROSITE PS0-246, WNTL 1	
0.5	SEQUENCE 360 AA. 40482 MW, SE3764403815EEAD GRO64.	
86	<pre>very Match 38.6%; Score 785; DB 11; Length 360; vst Local Similarity 39.9%; Pred. No. 2.38-67;</pre>	
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×	2 GEWALLPGWVSATLELALAALPAALAANSSGRWNGIVNVASSTNLLTDSKSEQLVLEPSL 61	
0	7 GIWLWLPLIPEVSSSWWYMRATGGSSRVMCD	
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RA KA	TRAILE S., GHAN A., GUPLA J., HO S.*L., LIGIJ.K., KATIMIS E., Lee-Lin S.*G. Legaspi R. Lim M. Maduro G.L. Maduro V.B. Mashello C., Mastrian S.D., McCloskey J.C., McCowell J., Pearson R.,
New York	nomas P.J., Touchman J.W., Tsurgeon C., Voge J.L., Walker W.A., Techerby K.D., Zhang C. H., Oteen E.D. NISC Comparative Sequencing Initiative ";
5 8 8	hibmitted (DEC-2001) to the EMBL/GenBank/70087 databases MBL; AC09127: AAL4058 ]1 - nterpro: IPR000345; CytC.heme_bind
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